

Executive Summary Report

SMOG CHECK Statewide

June 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	897,144	110,043	12.27%
Total	1,031,457	139,268	13.50%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	775,303	86.42%	121,841	13.58%
Total	875,662	84.90%	155,795	15.10%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	470,207	86.25%	74,966	13.75%
Total	534,804	85.32%	91,985	14.68%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	16,626	1.85%
All Emissions	55,089	6.14%
All Visual	13,494	1.50%
All Functional	71,753	8.00%
OBDII	39,079	4.36%
Overall	110,043	12.27%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	720,218	89,020	12.36%	13,286	1.84%
Partially Enhanced	44,592	6,651	14.92%	983	2.20%
Basic	83,991	9,363	11.15%	1,529	1.82%
Change of Ownership	5,325	805	15.12%	189	3.55%
No Program	6	0	0.00%	0	0.00%
Unknown Program	43,012	4,204	9.77%	639	1.49%
Total Program Area	897,144	110,043	12.27%	16,626	1.85%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	545,173	73,574	13.50%	11,714	2.15%
Regular	264,181	23,295	8.82%	2,923	1.11%
Basic Area Dealer	4,692	229	4.88%	29	0.62%
Gold Shield in Enhanced Area	59,804	9,466	15.83%	1,395	2.33%
Gold Shield in Basic Area	13,804	1,965	14.24%	332	2.41%
Gold Shield in COO Area	4,756	703	14.78%	157	3.30%
Business Fleet	8	0	0.00%	0	0.00%
Permanent Fleet Registered	53	12	22.64%	1	1.89%
Referee	861	467	54.24%	53	6.16%
Government Fleet	3,812	332	8.71%	22	0.58%
Total	897,144	110,043	12.27%	16,626	1.85%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	291,541	262,717
Directed Vehicles	253,632	207,490
Total	545,173	470,207

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	57,980	50,117
Directed Vehicles	20,384	15,438
Total	78,364	65,555

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	8	5	62.50%	37.50%	12.50%	50.00%	25.00%	0.00%
MY-1976	1,460	440	30.14%	20.07%	9.52%	17.53%	9.52%	0.00%
MY-1977	1,882	597	31.72%	19.82%	9.78%	20.19%	8.45%	0.00%
MY-1978	2,147	686	31.95%	19.84%	10.15%	20.54%	9.13%	0.00%
MY-1979	2,255	747	33.13%	21.69%	11.00%	20.62%	8.78%	0.00%
MY-1980	1,428	435	30.46%	22.06%	10.92%	18.21%	9.03%	0.00%
MY-1981	1,701	521	30.63%	22.93%	10.88%	17.40%	8.05%	0.00%
MY-1982	1,920	565	29.43%	22.34%	10.42%	15.78%	7.71%	0.00%
MY-1983	2,873	819	28.51%	22.45%	11.56%	15.91%	7.41%	0.00%
MY-1984	4,923	1,496	30.39%	23.20%	11.38%	17.18%	7.50%	0.00%
MY-1985	6,451	1,880	29.14%	22.12%	10.29%	15.70%	6.73%	0.00%
MY-1986	9,238	2,577	27.90%	20.13%	9.13%	16.12%	5.79%	0.00%
MY-1987	10,721	3,014	28.11%	21.12%	8.37%	15.21%	5.26%	0.00%
MY-1988	13,499	3,524	26.11%	19.33%	7.59%	13.71%	4.56%	0.00%
MY-1989	17,684	4,248	24.02%	17.25%	6.79%	13.27%	3.81%	0.00%
MY-1990	21,754	5,016	23.06%	16.50%	5.79%	12.39%	3.61%	0.00%
MY-1991	25,086	5,379	21.44%	15.43%	5.31%	11.14%	2.83%	0.00%
MY-1992	25,927	5,333	20.57%	14.74%	4.55%	10.41%	2.65%	0.00%
MY-1993	30,656	6,898	22.50%	16.90%	4.19%	10.30%	2.64%	0.00%
MY-1994	34,026	6,845	20.12%	14.03%	3.28%	9.94%	2.56%	0.00%
MY-1995	50,856	8,256	16.23%	10.79%	2.40%	7.76%	2.06%	0.00%
MY-1996	34,153	6,338	18.56%	7.99%	1.32%	13.12%	1.67%	12.20%
MY-1997	65,498	8,650	13.21%	4.96%	0.85%	9.59%	1.08%	8.97%
MY-1998	48,107	6,213	12.91%	4.20%	0.78%	9.92%	1.03%	9.51%
MY-1999	89,130	7,560	8.48%	2.07%	0.40%	6.81%	0.74%	6.54%
MY-2000	45,407	4,473	9.85%	1.96%	0.46%	8.38%	0.71%	8.02%
MY-2001	125,094	8,222	6.57%	0.76%	0.15%	5.88%	0.47%	5.66%
MY-2002	33,623	2,253	6.70%	0.94%	0.25%	5.87%	0.56%	5.68%
MY-2003	140,278	5,580	3.98%	0.35%	0.09%	3.57%	0.29%	3.42%
MY-2004	14,602	551	3.77%	0.46%	0.12%	3.25%	0.36%	3.05%
MY-2005	16,218	511	3.15%	0.30%	0.08%	2.81%	0.27%	2.60%
MY-2006	7,126	205	2.88%	0.27%	0.07%	2.47%	0.29%	2.30%
MY-2007	5,045	103	2.04%	0.16%	0.04%	1.78%	0.12%	1.72%
MY-2008	4,721	76	1.61%	0.11%	0.04%	1.50%	0.04%	1.40%
MY-2009	1,608	27	1.68%	0.44%	0.00%	1.24%	0.31%	1.06%
MY-2010	35	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	897,144	110,043	12.27%	6.14%	1.85%	8.00%	1.50%	4.36%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	626
Certificate of Non Compliance	2
Parts Cost	116
Hardship Extensions	323
Exempt Vehicle	58
Exempted by Directive	120
Parts Exemption	7
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,252

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,047
Stations Locked-Out at Least Once	113
Stations Conducted at Least One Test	7,128

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,920	6,125
EA	Gas Endorsement	10	0
EB	Both Endorsement	51	0
EB	Gas Endorsement	504	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	475,705	48.97	60,752	49.86	536,457	49.07
Test and Repair	170,659	46.95	90,392	47.23	261,051	47.05
Test and Repair Dealer	25	83.44	4,667	51.84	4,692	52.01
Referee	309	30.00	120	30.00	429	30.00
Gold Shield in Enhanced Area	51,424	48.47	8,264	49.41	59,688	48.60
Gold Shield in Basic Area	494	65.08	13,310	40.69	13,804	41.56
Gold Shield in COO Area	388	63.86	4,368	52.07	4,756	53.03

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,400	21.83	24,494	219.49
	\$51-150	5,833	101.08		
	\$151-250	3,786	199.61		
	\$251-450	4,407	337.58		
	Over \$450	3,068	776.27		
CAP Repairs	\$0-50	143	25.27	3,774	397.59
	\$51-150	217	103.79		
	\$151-250	379	206.34		
	\$251-450	1,139	354.29		
	Over \$450	1,896	523.54		
Total Repairs	\$0-50	6,550	21.98	25,318	271.61
	\$51-150	4,895	100.90		
	\$151-250	3,691	200.59		
	\$251-450	5,112	342.51		
	Over \$450	5,070	739.16		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,542	397.59

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	37	11	1	0	3	8	4	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	17	5	1	0	1	3	2	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in COO Area	0	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	335	54	7	1	17	27	30	7
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	278	56	7	4	19	29	31	9
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	37,388	7,382	1,079	393	2,562	3,806	4,733	923
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	83	2	0	41	30	58	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	197	232	33	93	60	115	122	122
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	123,317	10,792	1,091	570	5,923	3,962	8,013	1,133
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	3	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	390,379	64,717	10,246	3,644	20,176	36,195	40,406	7,891
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	73	23	6	1	6	11	16	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	14	4	0	0	1	3	3	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,628	865	122	60	281	436	563	112
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	6	1	0	3	3	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	16	32	3	15	8	15	20	20
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,564	3,309	459	194	983	1,806	2,049	396
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	16	2	1	0	1	1	1	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,897	2,018	321	113	628	1,144	1,235	231
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	27	7	0	0	3	3	5	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,494	278	44	21	114	148	171	42
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	215	18	2	39	161	61	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	26	11	2	3	3	7	6	5
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,525	1,111	141	81	513	501	761	165
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,950	1,639	283	129	646	902	1,059	243
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	10,334	1,717	288	119	546	602	1,192	271
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	257	23	4	0	6	10	12	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,222	222	34	13	75	79	155	30
Two Speed Idle (TSI)	Basic	Referee	32	33	8	13	7	14	23	18
Two Speed Idle (TSI)	Basic	Test and Repair	48,646	5,879	932	320	1,953	2,020	4,263	702
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,509	195	27	7	77	47	155	37
Two Speed Idle (TSI)	Basic	Test Only	8,787	1,255	234	66	445	479	855	170
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	60	16	1	0	4	5	12	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,906	413	107	40	92	218	261	65
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	125	26	6	3	9	15	13	3
Two Speed Idle (TSI)	Change of Ownership	Referee	5	8	3	5	1	4	5	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,506	208	34	19	76	80	149	31
Two Speed Idle (TSI)	Change of Ownership	Test Only	792	131	38	10	31	65	75	17
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	455	61	7	6	31	12	44	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	453	52	9	1	21	22	34	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,251	598	88	39	292	167	460	81
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	15	0	0	5	6	9	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	12	10	1	0	1	2	7	6
Two Speed Idle (TSI)	Enhanced	Referee	54	25	1	15	9	2	11	15
Two Speed Idle (TSI)	Enhanced	Test and Repair	23,699	1,361	172	62	801	341	1,074	133
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	379	15	0	1	9	4	10	1
Two Speed Idle (TSI)	Enhanced	Test Only	43,174	3,498	543	171	1,936	1,033	2,603	354
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	44	7	3	0	1	5	4	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	50	4	0	0	1	2	2	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	400	54	12	6	20	15	40	13
Two Speed Idle (TSI)	Partial	Referee	1	1	0	1	1	1	1	1
Two Speed Idle (TSI)	Partial	Test and Repair	2,327	212	34	10	90	65	158	30
Two Speed Idle (TSI)	Partial	Test Only	1,092	104	21	3	53	32	71	8
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	418	86	20	7	33	30	67	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,002	143	30	7	46	67	100	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	330	40	10	1	19	13	33	6
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	6	1	0	4	1	5	0
Two Speed Idle (TSI)	Unknown Program	Referee	11	5	3	1	0	4	4	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,139	412	59	28	209	130	310	50
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	358	12	1	1	7	1	10	1
Two Speed Idle (TSI)	Unknown Program	Test Only	3,109	207	27	14	127	58	158	23
UnKnown TestType	Basic	Referee	1	13	0	6	0	13	0	6
UnKnown TestType	Change of Ownership	Referee	0	2	0	1	0	2	0	1
UnKnown TestType	Enhanced	Referee	27	66	0	29	0	66	0	33
UnKnown TestType	Partial	Referee	2	7	0	3	0	7	0	3
UnKnown TestType	Unknown Program	Referee	19	32	0	15	0	32	0	15